

CLAIMS

1 A maneuverable and adjustable lawn mower comprised of:

a conventional lawn mower engine mounted on a conventional lawn mower frame, said lawn mower engine having an engine shaft for rotatably driving a set of cutting blades, said engine shafts being also adapted to selectively drive and edging unit, said edging unit being selectively engaged to said engine shaft by a clutch type mechanism, a means for adjusting the relative height between a front caster-type wheel and said lawn mower frame, a handle extending from said lawn mower frame, said handle being pivotally attached to said frame so as to allow pivotal rotation relative to said frame about two substantially perpendicular rotational axis and a selective locking means for releasably locking said handle in predetermined relative position relative to said lawn mower frame.

2 A maneuverable and adjustable lawn mower as described in claim 1 is comprised of:

an edging unit having a flail head that is pivotally attached to the frame so as to allow the said flail head to pivot so that the flail member filament may be rotated between a vertical and a horizontal cutting plane.

3 A maneuverable and adjustable lawn mower as described in claim 1 is comprised of:

an edging unit having a guiding wheel that has a peripheral surface adapted to rollably abut against guiding surfaces such as edge walls, fences or the like.

4 A maneuverable and adjustable lawn mower as described in claim 3 is comprised of:

a guiding wheel with relative positioning means so as to allow customization of the relative position thereof relative to the frame so as to customize its abutment function to different types of environments.

5 A maneuverable and adjustable lawn mower as described in claim 3 is comprised of:

an edging unit comprised of a driving cable mechanically coupled to the said edging unit driving shaft extending from an edging unit driven pulley and the edging unit driven pulley is pivotally attached to a base segment of a skirt using a driven pulley attachment unit.

6 A maneuverable and adjustable lawn mower as described in claim 3 is comprised of:

an edging unit driving belt wound around the driven pulley and also wound about an edging unit driving pulley and said edging unit driving pulley mechanically coupled to the engine driving shaft.

7 A maneuverable and adjustable lawn mower as described in claim 3 is comprised of:

an actuating lever which is pivoted so that a clutch cable pulls the driven pulley in the operative position wherein the edging unit driving belt becomes taught so that rotation of the edging unit driving pulley is mechanically transmitted to the driven pulley and to a driving cable.

8 A maneuverable and adjustable lawn mower as described in claim 1 is comprised of:

A height adjustment means wherein the relative height between a caster-type wheel and the frame is adjusted with the use of one or more fingers to grasp grasping legs and lift a second locking disc away from a first locking disc and when the second locking disc is lifted away from the first locking disc, locking teeth disengage locking recesses.

9 A maneuverable and adjustable lawn mower as described in claim 1 is comprised of:

a handle bar capable of pivoting simultaneously in two different geometrical planes relative to a handle pivot axis which allows pivotal movement of the handle in a geometrical plane substantially perpendicular to one axis while also allowing pivotal movement of the said handle in a generally perpendicular geometrical plane.

10 A maneuverable and adjustable lawn mower as described in claim 1 is comprised of:

a helicoidal-type spring attached at a first end thereof to a pivotal rod and at a second longitudinal edge thereof to a spring attachment leg extending from a bracket and a mounting bracket further defining a grasping peg for allowing the fingers of an intended user to slide the bracket and associated locking pin within a guiding slot and the locking pin is adapted to be releasably inserted within locking notches for selectively locking the handle stem in either its storage position or in its operational configuration.